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(54) Title: CONTINUOUS PROCESS FOR PREPARING CAPROLACTAM

(57) Abstract: The invention relates to a continuous process for preparing caprolactam by Beckmann rearrangement of cyclohex-  
anone oxime, said process comprising a) feeding (i) oleum and (ii) cyclohexanone oxime into a first reaction mixture comprising  
caprolactam, sulfuric acid and SO<sub>3</sub>, b) feeding (iii) a portion of the first reaction mixture and (iv) cyclohexanone oxime into a second  
reaction mixture comprising caprolactam, sulfuric acid and SO<sub>3</sub>, c) withdrawing a portion of the second reaction mixture, wherein  
the process further comprises obtaining the cyclohexanone oxime that is fed to the reaction mixtures by: 1) preparing an organic  
medium comprising cyclohexanone oxime dissolved in an organic solvent 2) separating, by distillation, cyclohexanone oxime from  
said organic medium.



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